SPARTAN CHEMICAL CO., INC.
MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label)
CONSUME

MANUFACTURER'S NAME
Spartan Chemical Co., Inc.

ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)
110 N. Westwood Ave., Toledo, OH 43607

EMERGENCY TELEPHONE NO.
419/531-5551

MANUFACTURER'S D-U-N-S NO.
00-503-6728

NFPA RATINGS: | HMIS RATINGS:
--- | ---
HEALTH-1 FIRE-0 REACT-0 | HEALTH-1 FIRE-0 REACT-0 PERS. PROT.-A

SECTION II: HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>CAS REGISTRY NO.</th>
<th>%W</th>
<th>CHEMICAL NAME(S)</th>
<th>TABLE Z-1-A</th>
<th>CARCINOGEN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>TWA mg/M³</td>
<td>STEL mg/M³</td>
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</tbody>
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NO HAZARDOUS INGREDIENTS AT 1% OR GREATER CONCENTRATION

SECTION III: PHYSICAL DATA

BOILING POINT
210°F

VAPOR PRESSURE
18 mm Hg @ 75°F

VAPOR DENSITY (AIR = 1)
Unknown

SOLUBILITY IN WATER
Complete

pH
8.0–9.0

SPECIFIC GRAVITY (H₂O = 1)
1.00

EVAPORATION RATE (but. ace. = 1)
<1

APPEARANCE AND ODOR
Translucent green,
Pleasant fragrance

IS MATERIAL: (LIQUID) SOLID
GAS PASTE POWDER

SECTION IV: FIRE & EXPLOSION HAZARD DATA

FLASH POINT – None

METHOD USED – ASTM – D92

FLAMMABLE LIMITS – n/a

EXTINGUISHING MEDIA
n/a

SPECIAL FIRE FIGHTING PROCEDURES
n/a

UNUSUAL FIRE AND EXPLOSION HAZARDS
n/a
SECTION V: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE – CONDITIONS TO AVOID
Avoid contact with skin, eyes and mouth. Avoid contact with open wounds. Repeated or prolonged skin contact may cause drying or dermatitis. May cause eye irritation. Ingestion will lead to nausea or diarrhea. Organisms are non-pathogenic but can cause infection when in contact with open wounds. These organisms are susceptible to many commonly used antibiotics.

PRIMARY ROUTES OF ENTRY _ INHALATION _ SKIN CONTACT X OTHER (SPECIFY) ___

CONDITIONS AGGRAVATED BY USE – Pre-existing skin disorders may be aggravated if the product is not properly used.

EMERGENCY AND FIRST AID PROCEDURES – SKIN: Remove contaminated clothing. Wash skin with plenty of soap and water. Wash clothing before re-use. EYES: Immediately flush with plenty of water for at least 15 minutes; remove contact lenses, see a physician. INGESTION: Drink water or milk to dilute. Do not induce vomiting unless advised by physician or poison control center. Call a physician.

SECTION VI: REACTIVITY DATA

STABILITY: UNSTABLE ____ STABLE X

INCOMPATIBILITY (MATERIALS TO AVOID) – Strong oxidizers, strong acids or alkali compounds may inactivate biological cultures.

HAZARDOUS DECOMPOSITION PRODUCTS – CO, CO₂

HAZARDOUS POLYMERIZATION: MAY OCCUR ____ WILL NOT OCCUR X

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED – Flush down drain to waste treatment sewer.

WASTE DISPOSAL METHOD – Consult local, state and Federal regulations.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) – Not usually necessary with general ventilation.

VENTILATION – Good general ventilation should be sufficient for most conditions. Local ventilation may be necessary for some operations.

PROTECTIVE GLOVES (SPECIFY TYPE) Impervious

EYE PROTECTION (SPECIFY TYPE) Safety glasses or face shield

OTHER PROTECTIVE EQUIPMENT – None required

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING – Avoid contact with eyes, skin and clothing. Store in cool, dry location. Keep container tightly sealed when not in use.

OTHER PRECAUTIONS – Wash thoroughly after handling.

Spartan Chemical Co., Inc.
CONSUME
Ref: 29 CFR 1910:1200 (OSHA)

NAME Thomas J. Mitchell
TITLE Director of Research
DATE December 10, 1992
SUPERCEDES March 18, 1992

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